METHOD, SYSTEM, AND DATA STRUCTURE FOR TRUSTWORTHY DIGITAL DOCUMENT INTERCHANGE AND PRESERVATION
(DRAWINGS)

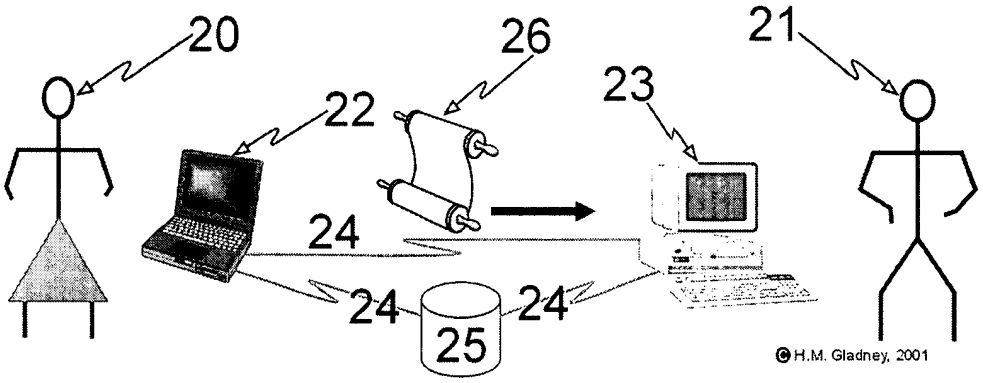


FIG 1: Communication of a Document

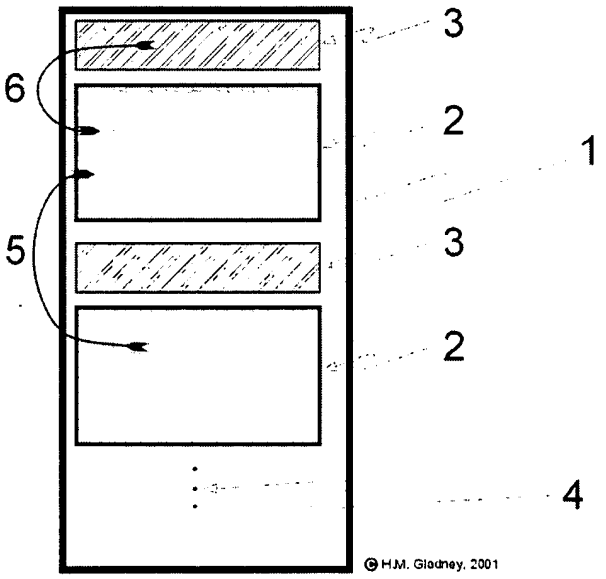


FIG 2: Input Document

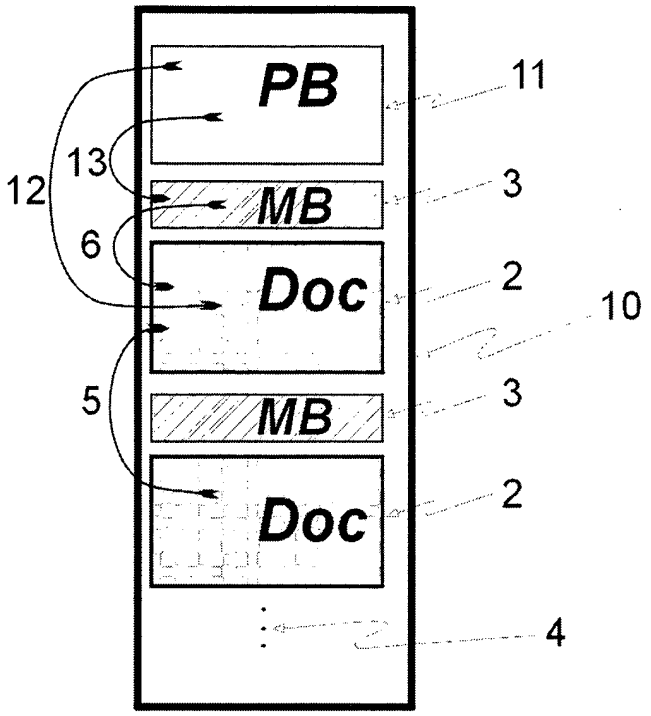


FIG 3: Packaged Document (exemplary **TDO**)

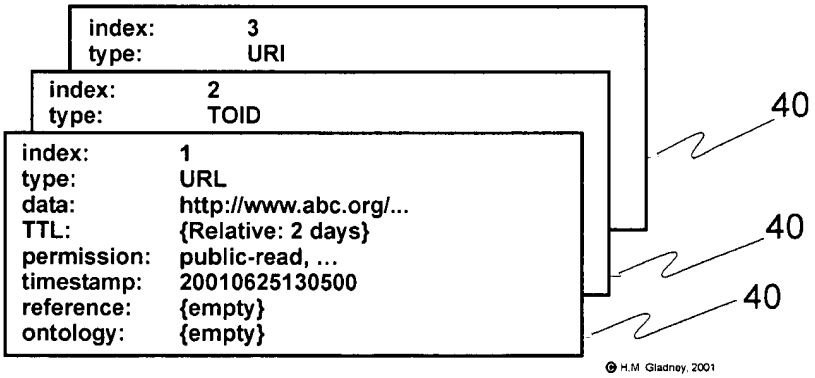
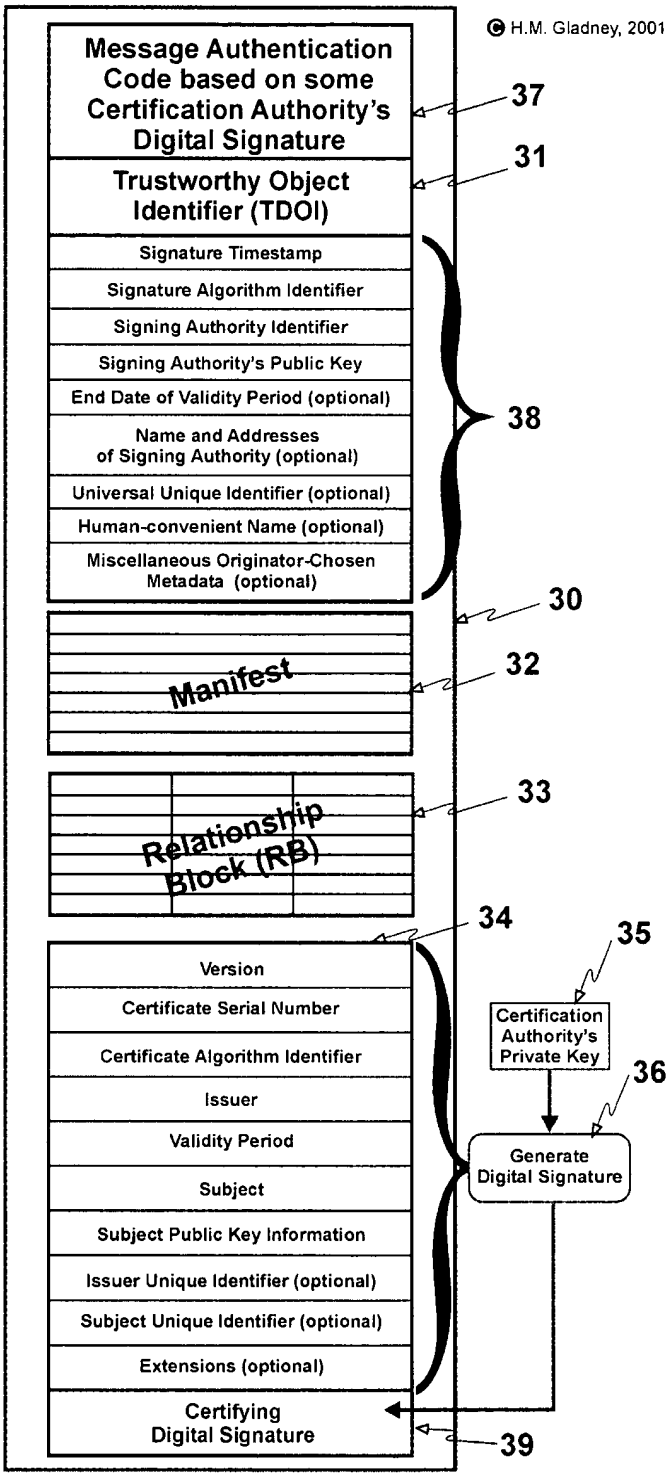


FIG. 4: A Value Set [1]

[1] Following http://www.handle.net/namespace-current.html - 3.1. See also in Notes about Links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Message Authentication Code based on some Certification Authority's Digital Signature
37
Trustworthy Object Identifier (TDOI)
31
Signature Timestamp
Signature Algorithm Identifier
Signing Authority Identifier
Signing Authority's Public Key
End Date of Validity Period (optional)
Name and Addresses of Signing Authority (optional)
Universal Unique Identifier (optional)
Human-convenient Name (optional)
Miscellaneous Originator-Chosen Metadata (optional)
38
30
Manifest
32
Relationship Block (RB)
33
34
35
Certification Authority's Private Key
36
Generate Digital Signature
Version
Certificate Serial Number
Certificate Algorithm Identifier
Issuer
Validity Period
Subject
Subject Public Key Information
Issuer Unique Identifier (optional)
Subject Unique Identifier (optional)
Extensions (optional)
Certifying Digital Signature
39

FIG. 5: Protection Block (exemplary PB)[2]

[2] This includes a X.509 Certificate (following [Feghhi 98] Figure 3-2)

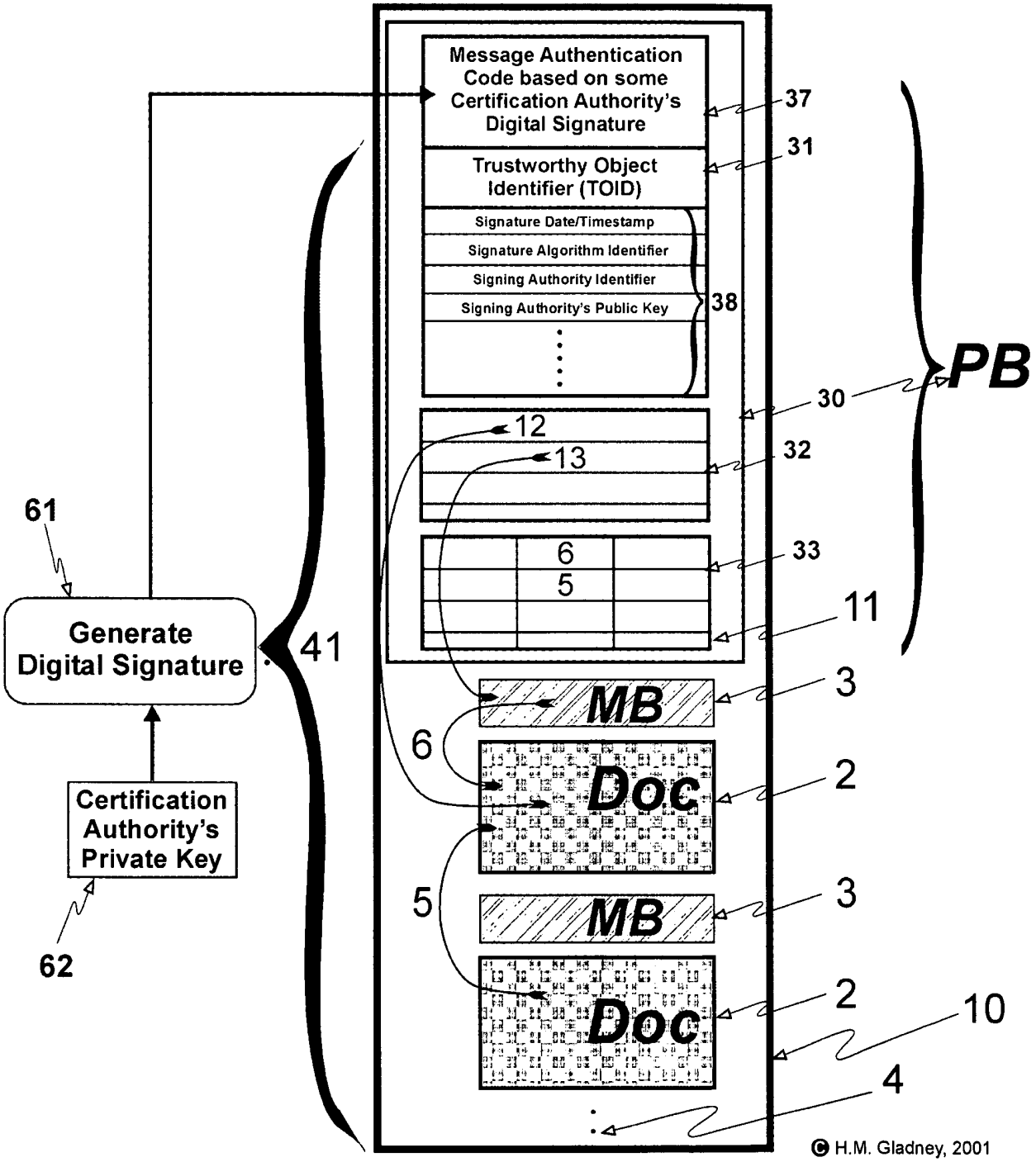

FIG 6: A Complete Trustworthy Digital Object (TDO)

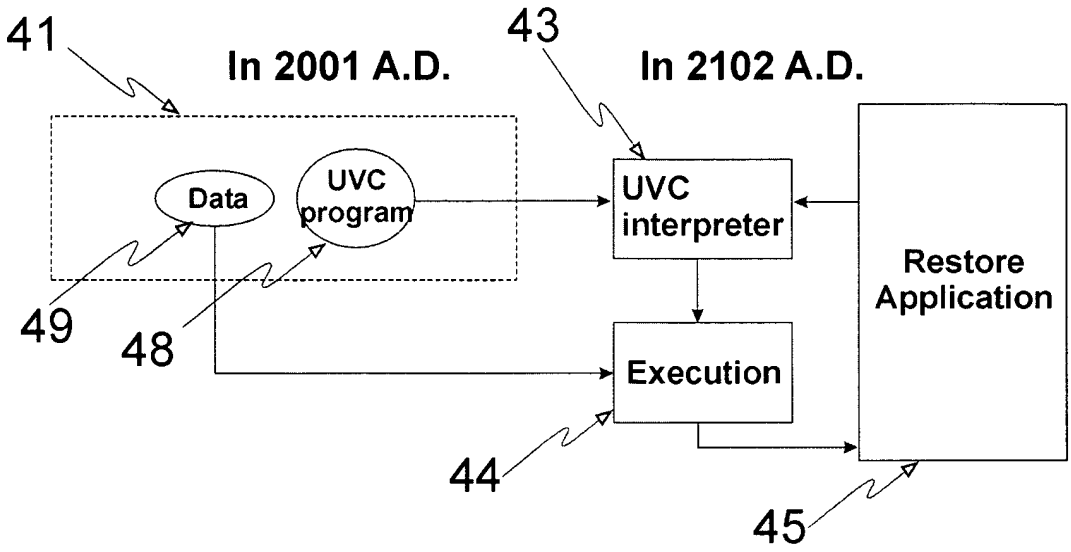

FIG 7: Interpretation of Complex Data

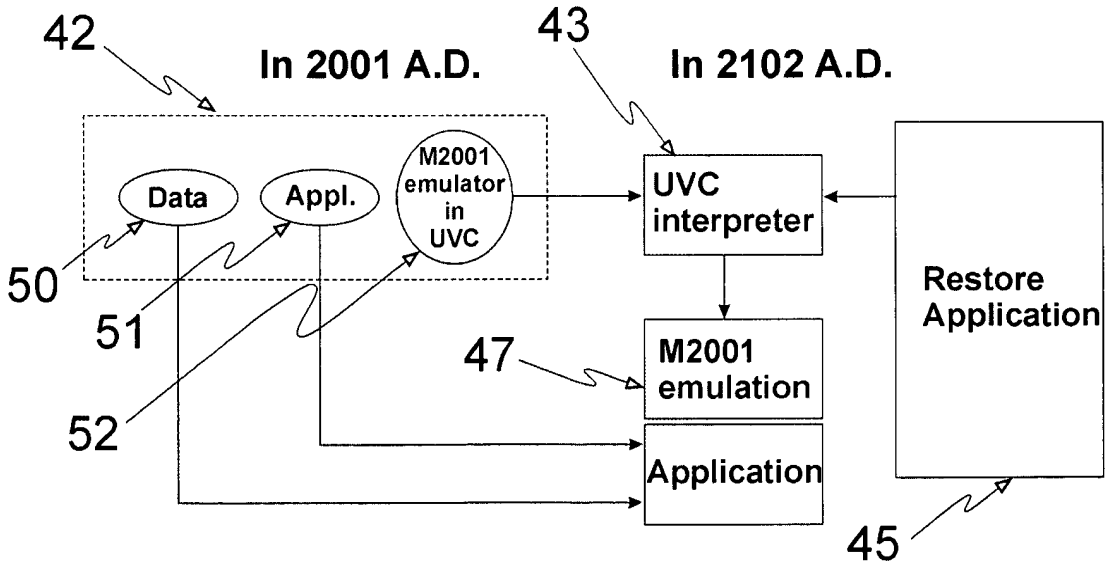

FIG 8: Interpretation of a Computer Program